

ACADEMIC MAP

Electrical Reliability and Maintenance, A.A.S.

Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
IM 101 INDUSTRIAL MAINTENANCE 1	3	
IM 102 INDUSTRIAL MAINTENANCE 2	3	
IM 103 INDUSTRIAL MAINTENANCE 3	3	
MATH 125 OR MATH 126	3	
ENGL 107 OR ENGL 101	3	
TOTAL:	16	



The **Associate of Applied Science in Electrical Reliability and Maintenance** prepares graduates for positions as technicians that install, service, repair, and maintain equipment in today's modern

industrial, commercial and/or manufacturing facilities. Courses include preventive maintenance, system design, and troubleshooting concepts that integrate practical application and knowledge of electrical, electronic, hydraulic, and mechanical systems.



MILESTONE COURSE:

These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters.



CAREER PLANNING:

Multi-Craft Technicians, Electrical and Instrumentation Technicians, Pipefitters, Millwrights, Industrial Maintenance Technicians make an average wage of \$15.74 - \$26.15 per hour.



CAPSTONE COURSE:

The capstone is a semester long project that must be taken in the graduation semester. A "C" or better must be earned.



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

Semester 2

COURSE	CR	COMMENTS
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	
MTEC 103 INTRO TO MAINTENANCE TECH	3	
IM 203 INDUSTRIAL MAINTENANCE 6	3	
IM 202 INDUSTRIAL MAINTENANCE 5	3	
WELD 121 BASIC SHIELDED METAL ARC(SMAW)	3	
IM 201 INDUSTRIAL MAINTENANCE 4	3	
TOTAL:	17	

Semester 3

COURSE	CR	COMMENTS
ELEC 103 ELECTRICAL & INSTRUMENTATION 2	3	
ELEC 104 ELECTRICAL & INSTRUMENTATION 3	3	
COMM 111 OR COMM 112	3	
ELEC 102 ELECTRICAL & INSTRUMENTATION 1	3	
PHIL 170 OR PHIL 231	3	
TOTAL:	15	

TOTAL DEGREE CREDITS:

62

Semester 4

COURSE	CR	COMMENTS
ELEC 202 ELECTRICAL & INSTRUMENTATION 4	3	
ELEC 203 ELECTRICAL & INSTRUMENTATION 5	3	
ELEC 204 ELECTRICAL & INSTRUMENTATION 6	3	
CS 101 INTRO TO PC APPLICATIONS	4	
MTEC 280 CAPSTONE COURSE	1	
TOTAL:	14	

2020-2021

General Education Courses



To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

Composition & Rhetoric	Science & Technology	Math & Quantitative Skill	Society, Diversity & Connections	Human Inquiry & the Past	The Arts and Creativity
ENGL 101	ASTR 106	MATH 120 *	COMM 105	HIST 101	History & Literature of the Arts
ENGL 102	BIOL 101 & BIOL 103 L	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102	MATH 125 *	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 104 L	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 107 *	MATH 128	ECON 202	HIST 250 *	ART 106
	BIOL 108 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 109 *	MATH 150	FREN 102	PHIL 150 *	THEA 101
	BIOL 115	MATH 155	GEOG 102	PHIL 170	Literature
	BIOL 117	MATH 156	GEOG 240		ENGL 131
	BIOL 171	MATH 211	POLS 102		ENGL 132
	CHEM 111		POLS 220		ENGL 221
	CHEM 115		PSYC 101		ENGL 222
	CHEM 116		PSYC 241		ENGL 241
	CS 101		RELI 231		ENGL 242
	GEOL 101 & GEOL 102 L		SOC 101		ENGL 261
	GEOL 103 & GEOL 104 L		SOC 105		ENGL 262
	GEOL 105 & GEOL 105 L		SOC 221		ENGL 285
	PSCI 111		SOC 232		Applied Arts
	PSCI 112		SPAN 101		ART 109
	PHYS 101		SPAN 102		THEA 102
	PHYS 102				Creative Writing
	PHYS 111				ENGL 213
	PHYS 112				ENGL 214
					ENGL 215

* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).